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TITLE : PRODUCTION OF THIN FILM OF IONIC CONDUCTOR

ABSTRACT : PURPOSE: To control the ratio between components even in the case of a multicomponent system and to form a thin film of an ionic conductor made of ionic conductive ceramic having satisfactory characteristics in a thickness of  $\mu\text{m}$  order or below at a high rate of film formation.

CONSTITUTION: A Zr-Y alloy target is produced, sputtering is carried out with the target and the resulting thin alloy film is oxidized by firing to obtain ionic conductive oxide ceramic.

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